

DOCUMENT NAME: ABSTRACT

In order to provide an automatic analyzer which ensures accurate absorbance measurement even when ultrasonic wave intensity for agitation of the sample and reagent or the like becomes excessive, multiple reaction vessels 8 are placed as follows: As viewed from the top of the reaction disk 15, the reaction disk 15 is divided into four parts, and the side wall of the reaction vessel 8 does not intersect with two light beams 20 which intersect with each other at right angles. Herein multiple reaction vessels 8 are located at an inclined position approximately at an angle of about 45 deg. This layout allows the reaction vessel 8 to have the surface exposed to ultrasonic wave 22 intersecting to the applied ultrasonic wave appropriately at right angles, and absorbance measuring surface 21 intersecting to the applied measurement wave appropriately at right angles. It is possible to configure that the surface exposed to ultrasonic wave 22 and absorbance measuring surface 21 are different surfaces to ensure that this absorbance measuring surface 21 is not be exposed to ultrasonic wave.